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University names dean of architecture school

Cynthia Weese, FAIA, has been appointed dean of the School of Architecture, beginning July 1, 1993, according to Chancellor William H. Danforth. She replaces Constantine E. (Dinos) Michaelides, FAIA, who is retiring June 30. Michaelides has been at the University since 1960 and has served as dean for 20 years.

Weese is a founding principal in the Chicago-based architectural firm Weese Langley Weese. She also is a charter member of the National Council for the University's School of Architecture.

"We are very pleased that Cynthia Weese has agreed to become dean of our



Cynthia Weese

School of Architecture," said Chancellor Danforth. "Her design talents and her long and deep interest in architectural education will benefit both the School of Architecture and the University as a whole. Dean

Weese will be leading a school of architecture with an international reputation nurtured by the leadership of Dean Michaelides and the excellent work of the architecture faculty."

Weese's projects include both private and public buildings, ranging from single-family residences to 280-unit apartment

buildings, college work and elementary school projects. Prior to founding Weese Langley Weese, Weese was in independent practice for several years. During that time her projects included remodeling loft space for a women's art gallery and converting a college building into a conference center.

A fellow of the American Institute of Architects (AIA), Weese currently is national vice president. During her three-year term on the AIA Board she was liaison to the Committee on Public Architecture and chair of the AIA/ACSA (Association of

Collegiate Schools of Architecture) Council on Architectural Research. She is a Regent of the American Architectural Foundation. She served for almost 10 years as board member, vice president and president of the Chicago chapter of the AIA and has lectured, taught and served extensively on architectural competition juries around the country. Weese also is a former board member of the National Institute for Architectural Education and currently serves on the board of the Society of Architectural Historians.

Her work has been featured in numerous design exhibitions in this country and abroad, particularly those that focus on Chicago architecture.

Weese also has received numerous awards for her work, including AIA awards for distinguished buildings, interior architecture and distinguished service.

In 1962 Weese received a bachelor of science degree in architectural sciences from Washington University. She received a bachelor's degree in architecture, also from Washington University, in 1965.



Jian Wang, a medical school employee, and her daughter, Marcy Yang Shen, enjoy the spring egg hunt, sponsored by Stix International House and the Women's Society of Washington University. The event, held last Saturday, featured a celebrity guest appearance by the Easter Bunny. About 65 children searched for 12 dozen colored eggs hidden on the Stix International House lawn.

Seven faculty members honored for developing innovative courses

Washington University and the William T. Kemper Foundation - Commerce Bank Trustee honored seven faculty members who received the 1992-93 Kemper Faculty Grants to Improve Learning.

The faculty members were honored during a luncheon held April 9 in the Brown Hall Lounge. The grants, which the University's Teaching Center administers, encourage innovative work on new courses or programs that will produce significant learning experiences for undergraduates. The faculty's proposals have developed into four new courses — three of which are being offered this spring and one that was offered in the fall.

The faculty members who received the grants are: Claire Baldwin, Ph.D., assistant professor of Germanic languages and literatures; John R. Bowen, Ph.D., associate professor of anthropology and chair of the Committee on Social Thought and Analysis; Michael W. Friedlander, Ph.D., professor of physics; Jack C. Knight Jr., Ph.D., assistant professor of political science; John V. Nye, Ph.D., associate professor of economics; Randolph D. Pope, Ph.D., professor of romance languages and literatures; and Kristin E.S. Zapalac, Ph.D., assistant professor of history.

The foundation awarded Washington University \$150,000 in late 1991 to establish the grants. "The generous five-year \$150,000 commitment of the William T. Kemper Foundation provides us with important resources to stimulate the development of new learning experiences and continue to enhance the educational opportunities we offer our students," said Chancellor William H. Danforth. "The grants also provide our outstanding faculty with additional opportunities to bring out their creative best."

Continued on page 7

Olin School meets \$15 million challenge grant

The John M. Olin School of Business is celebrating the successful completion of a \$15 million challenge grant from the John M. Olin Foundation. The five-year campaign has helped fund a number of new programs at the school and pushed total endowment to about \$70 million.

"The Olin School's faculty, students and academic programs are substantially stronger today than five years ago," says Robert L. Virgil, D.B.A., dean of the Olin School and executive vice chancellor for University relations. "Also in place are two new academic centers that should help distinguish the school in the future."

The fundraising campaign, known as the Olin Challenge, was launched in 1988 in conjunction with the business school's naming for John M. Olin, a business leader and philanthropist who served as a Washington University trustee for 40 years.

"This progress would not have happened without the momentum provided by the Olin Foundation's generosity and by the name of John M. Olin," says Virgil. "Today, we are widely recognized as the John M. Olin School, the Olin School, or simply, Olin — the name has given us a special identity that we once lacked."

Matching funds for the Olin Challenge were raised through both corporate and individual donations. Corporations provided

about \$8 million in matching funds, including gifts of more than \$1 million from Emerson Electric Co., Anheuser-Busch Foundation, Boatmen's Bancshares Inc. and the May Department Stores Company. More than \$7 million was raised from individuals.

Nearly all of the \$30 million raised through the campaign has become part of the school's permanent endowment. These funds are earmarked for unrestricted endowment, endowed chairs and scholarships, operating support and the library. The foundation grant also contributed to the establishment of two new academic centers: the Management Center and the Business, Law and Economics Center.

The Management Center is dedicated to providing experiential learning opportu-

nities for the business students. The center is based on the theory that "hands-on, real-world" opportunities should be an integral part of professional education. A highlight of the center is its student consulting projects, known as practicums. Firms pay \$10,000 to sponsor a practicum for projects ranging from analyzing operations procedures to conducting market research. More than 25 practicums have been conducted.

The Business, Law and Economics Center encourages research and new course offerings on economic and legal issues that influence business management. Among the center's early activities have been an academic conference co-sponsored with the School of Law; the introduction of a new elective course in environmental

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Looking to the future: Christian Health Services merges with Barnes-Jewish Inc. to provide cost-effective health care Page 2

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"Foaming at the Mouth": The winning entry in the A.E. Hotchner Student Playwriting Competition will be performed Page 4

Medical Update

Christian Health Services to join with Barnes-Jewish Inc.

In a move to strengthen the delivery and better contain the cost of health-care services throughout the region, St. Louis-based Christian Health Services will join with Barnes-Jewish Inc. Barnes-Jewish Inc. was created last year by the affiliation of Barnes Hospital and Jewish Hospital.

Upon completion of the merger, Fred L. Brown, president and chief executive officer and a director of Christian Health Services, will become president and chief executive officer and a director of the new parent organization.

The announcements were made April 6 by the directors of Barnes-Jewish Inc. and of Christian Health Services. The merger is subject to final approval by the board of each organization, completion of normal due diligence and regulatory approval.

"This action will create a health care system with the capability of dealing effectively with the quality and cost issues that are central to providing excellent medical care today," said Charles F. Knight, chairman of Barnes-Jewish Inc. and of Barnes Hospital.

"We are also pleased that Fred Brown will become president and chief executive officer, completing a national search," Knight added. "Fred is an innovator who has strong management skills, a national perspective on health care issues and a clear understanding of our region."

"We see this as a win-win situation for all parties involved," said Art Seewoester, chairman of Christian Health Services. "Barnes-Jewish Inc. brings the prestige and reputation of an academic medical center that can rightly claim to be among the best in the nation, and access to an equally prestigious medical school at Washington University."

"Christian Health Services brings the in-depth understanding of how to organize and manage a health care system and a history of blending multiple cultures while maintaining individual identities, a good primary care base and a knowledge of working in multiple markets," Seewoester added.

Brown said, "As our nation looks with optimism to a new era in health care delivery, the boards of these outstanding St.

Louis-based health care organizations have taken a bold step. This is a vital move toward the creation of a regional health care structure that meets the challenges of today and the next century by providing high-quality, cost-efficient health care for all the people in the communities we serve. I look forward to working closely with John Finan, president of Barnes Hospital, Wayne Lerner, president of Jewish Hospital, Ed Case, executive vice president of BJI Inc., and Ron Milligan, executive vice president and chief operating officer of Christian Health Services, to meet these challenges."

Brown joined Christian Health Services in 1982 as president and chief executive officer of Christian Hospital Northeast-Northwest. He was named president and chief executive officer of Christian Health Services in 1986. In his current position, Brown manages the 2,277-bed Christian Health Services, one of the nation's largest nonsectarian regional health care systems.

Brown is active nationally in health care policy issues and is a trustee of the American Hospital Association, a fellow and Missouri Regent of the American College

of Healthcare Executives and a past chairman of both the Missouri Hospital Association and the Hospital Association of Metropolitan St. Louis.

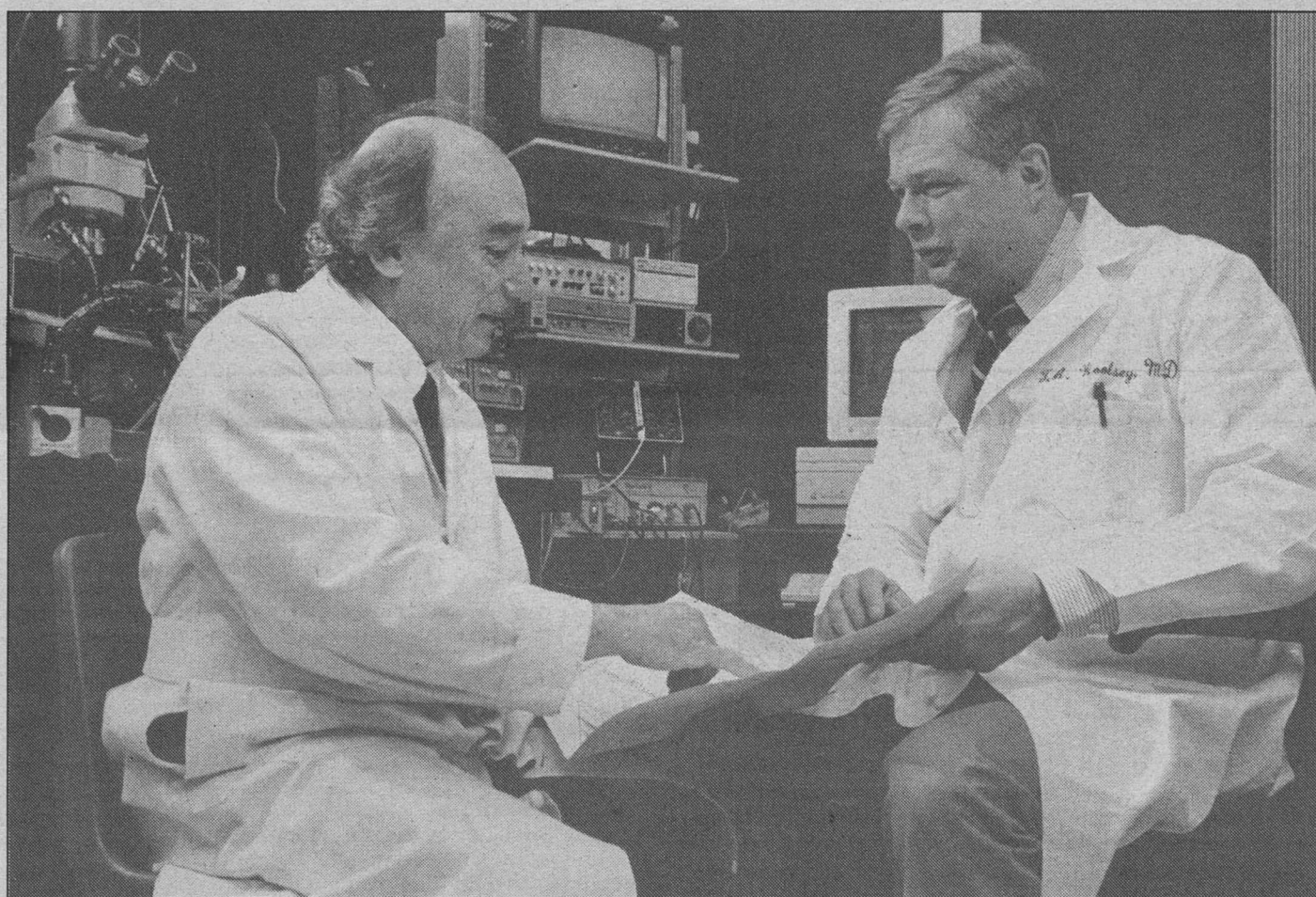
"Providing excellent health care, while controlling rising cost, is a major challenge facing communities throughout our nation," said John P. Dubinsky, vice chairman of Barnes-Jewish Inc. and chairman of Jewish Hospital. "This union with Christian Health Services will enable all of us to better control cost through further sharing of equipment and reduction in administrative expense. Our goal remains to provide leadership to decrease the cost of health care in our community, while enhancing the quality of patient care and improving access."

William A. Peck, M.D., executive vice chancellor for medical affairs at Washington University and dean of the School of Medicine, said, "The Christian Health System has developed innovative approaches to organizing and delivering health care services. We believe that a merger with Barnes-Jewish Inc. will substantially benefit health care throughout the region."

The new parent organization board of directors will include five members from each of the three boards. Knight will remain chairman of the board. Dubinsky will remain vice chairman and a second vice chairman will be added to represent Christian Health Services.

The Christian Health System provides a full spectrum of health care services with hospitals, clinics, a retirement community and nursing homes in Missouri and Southern Illinois, and related businesses throughout the United States.

Barnes and Jewish hospitals, with a combined total of approximately 2,200 beds, are part of Washington University Medical Center and are affiliated with the Washington University School of Medicine. The two hospitals completed their affiliation in November 1992, creating Barnes-Jewish Inc., which is coordinating and consolidating services at the Kings-highway campus to reduce costs and improve health care delivery.



Russian scientist Yuri E. Moskalkenko, left, is working with Thomas A. Woolsey, M.D., right, and Carl M. Rovainen, Ph.D., professors of cell biology and physiology at the School of Medicine. Woolsey and Rovainen are collaborating with Moskalkenko on research involving blood flow to the brain. Moskalkenko heads the laboratory at I.M. Sechenov Institute of Evolutionary Physiology and Biochemistry, Academy of Sciences of Russia. By working together, the scientists hope to enhance international collaborations in biomedical research.

Leder to deliver Lowry lecture on oncogenes

Philip Leder, M.D., John Emory Andrus Professor of Genetics and chairman of the Department of Genetics at Harvard Medical School, will deliver the 16th annual Oliver H. Lowry Lecture in Pharmacology April 22 at the School of Medicine.

Leder, who also is senior investigator of the Howard Hughes Medical Institute, has made a number of landmark contributions to the field of molecular biology. He will discuss "Misplaced Oncogenes," at the 4 p.m. lecture, which will be in the Carl V. Moore Auditorium, 660 S. Euclid Ave. The event is open to all members of the scientific community.

Early in his career, while at the National Institutes of Health (NIH), Leder was instrumental in breaking the genetic code. He and members of his laboratory subsequently developed methods for purifying messenger RNAs that encode cellular proteins and for using complementary DNAs as probes to monitor expression of specific genes. His seminal work on the structure of eukaryotic genes provided critical insights about how information is transferred from the nucleus to the cytoplasm. They also revealed how diversity is generated in genes that produce

antibodies and insights about how the expression of genes that specify the protein chains of hemoglobin is regulated. His pioneering studies of the origins of human cancers have involved, for example, the discovery that development of Burkett's lymphoma involves translocation and activation of the c-myc oncogene. He also has used transgenic mice to create models for analyzing the pathways that lead to tumor development.

Leder left the NIH in 1980 to join Harvard Medical School, where he established its Department of Genetics. He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences and the Institute of Medicine.

The Lowry lecture is sponsored by the Department of Molecular Biology and Pharmacology to honor Oliver H. Lowry, M.D., Ph.D., distinguished professor emeritus and lecturer. Lowry served as head of the department from 1947-76 and was acting head from 1989-90. He also served as dean of the School of Medicine from 1955-58. Lowry is an internationally renowned biochemist who pioneered development of sophisticated analytic techniques that allow measurement of the activities of

enzymes and the levels of their substrates and products in a single cell. These ultra sensitive methods have provided a number of insights about the regulation of metabolism in a variety of differentiating and differentiated cell types.

For more information about the lecture, contact the Department of Molecular Biology and Pharmacology at 362-7053.

Older women needed for memory study

School of Medicine researchers need women between the ages of 70 and 90 who have experienced subtle changes in their memory to participate in a study of estrogen's role in memory and balance.

Forty women are needed for the eight-month study, which will explore the effects of the hormone estrogen on changes that occur in the brain with age. Volunteers should have mild memory problems, be non-smokers with no history of breast cancer and not currently taking estrogen.

Those interested should call the Program on Aging at 454-8150.

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 **Washington**
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Medical detective Deuel tracks clues to cancer

The notion of an investigator as a scientific version of Sherlock Holmes is an old one, but in the case of Thomas F. Deuel, M.D., it couldn't be more apt. Deuel, the Lewis T. and Rosalind B. Apple Professor of Oncology in Medicine and professor of biochemistry and molecular biophysics at Washington University, has spent his career tracking clues to a major culprit: cancer. It has been a career of mystery and intrigue, one marked both by red herrings and by unexpected twists and turns that have led suddenly to new directions.

"I really enjoy trying to explain things that don't make a lot of sense," Deuel says. "It's fun and exciting. As investigators, we are constantly coming across observations that don't fit the hypothesis. Who knows what they might lead to?"

One thing such intense curiosity has led to is Deuel's reputation in international research circles, where he is renowned for his pioneering work on the role various growth factors play in the development of cancer.

Human growth factors have many diverse functions and activities in the body, and many different types of cells express receptors for them. They are important in the regulation of normal cell growth, providing developmental signals, responding to injury and contributing to the normal wound-healing process. But, says Deuel, "it is now very clear that growth factors are important in the pathogenesis of cancer, and potentially in its treatment."

It was just a decade ago that researchers discovered how growth factors contribute to the unregulated growth of cancer cells. In late 1982, building on work previously done at Washington University, Deuel's lab team became the first to purify a

substance known as platelet-derived growth factor (PDGF). In 1983 they published their first studies showing that PDGF influences the growth of abnormal cells. The finding came about, says Deuel, "by serendipity. I was interested in the normal role of platelets, which are involved in blood-clotting. It seemed to me that platelets were always found in clusters at the sites of wounds. That seemed important conceptually. We thought that the growth-stimulating response of platelets suggested a mechanism for the wound-healing process."

What they discovered was a mechanism through which a cancer virus in effect captures the normal PDGF gene, making the normal gene become incorporated into the virus' genome. As a consequence, the cells produce an excess, or over-expression, of the normal gene product. It is the over-expression of "normal" gene by the virus that stimulates the cell to proliferate abnormally.

Deuel's lab group is looking at how the gene for PDGF is regulated. If they can determine what makes certain cells over-express the gene, they can take steps to disrupt the gene. "What we are trying to purify now is an inhibitor of growth, in an effort to try to block the effect of PDGF," Deuel says.

He is also concentrating on trying to identify the normal roles for growth factors in the central nervous system, through genetic and other techniques. Recently, he and his team discovered a novel growth factor, which they dubbed Pleiotrophin, because it produces more than one genetic effect. They have demonstrated that Pleiotrophin induces tumors in mice, and are working to pinpoint the role this growth factor plays in the development of both normal and abnormal cells. Their ultimate goal is to block the growth of harmful tumors.

"Everyone is looking for a magic bullet to block tumor formation," he says. "It's clear that tumors have so many etiologies that there can be no one magic bullet. What we need instead is to take the pathway

approach. One of the lessons we need to learn from the growth factors is that they have a tremendous diversity. That fact is increasingly becoming appreciated. It makes it infinitely more interesting, because one has to begin to think about the whole context in which a growth factor functions. It differs from cell to cell."

Deuel, who is co-director of hematology for Barnes and Jewish hospitals, cites two men who were tremendously influential in developing his lively curiosity and the philosophical beliefs he brings to his research. The first was Charles Huggins, M.D., whom he calls "the brightest man I ever knew." Deuel spent a year working as a research fellow in Huggins' lab at the University of Chicago shortly after graduating from the Columbia University College of Physicians and Surgeons in 1961. Huggins, who was awarded the Nobel Prize in Medicine in 1966, "was absolutely brilliant at giving new interpretations to data, understanding the implications of findings, thinking

postdoctoral fellows. He borrowed many of his pedagogical methods from Stadtman, including his laboratory's journal club. Once a week everyone in Deuel's lab is required to present an article from the current literature to the rest of the group. Deuel recognizes that such a requirement is time-consuming and demanding, but he also knows from his own experience as a young researcher that such demands provide the best learning experiences. As a teacher, he has also learned when to leave students alone. "You've got to let them make mistakes, so that they can learn to understand the implications of their mistakes."

Yiling Lu, a graduate student who has worked in Deuel's lab for three and a half years, says Deuel is open-minded and supportive of his students. "He is always supportive of what you want to do, and he will take time to discuss the work with you very often."

Graduate student Zhaoyi Wang, who first joined Deuel's laboratory as an assistant more than five years ago, says Deuel gives his students the freedom to learn.

"As students, we have many teachers, but Dr. Deuel is special," Wang says. "He gives us freedom to think and choose research projects we are interested in, which is very important for us in biological science. At the same time, through the journal club, he encourages us to broaden our views of the biological sciences and not focus in one area. For journal club, we bring in an article that is interesting to us — individually — and we all have different interests."

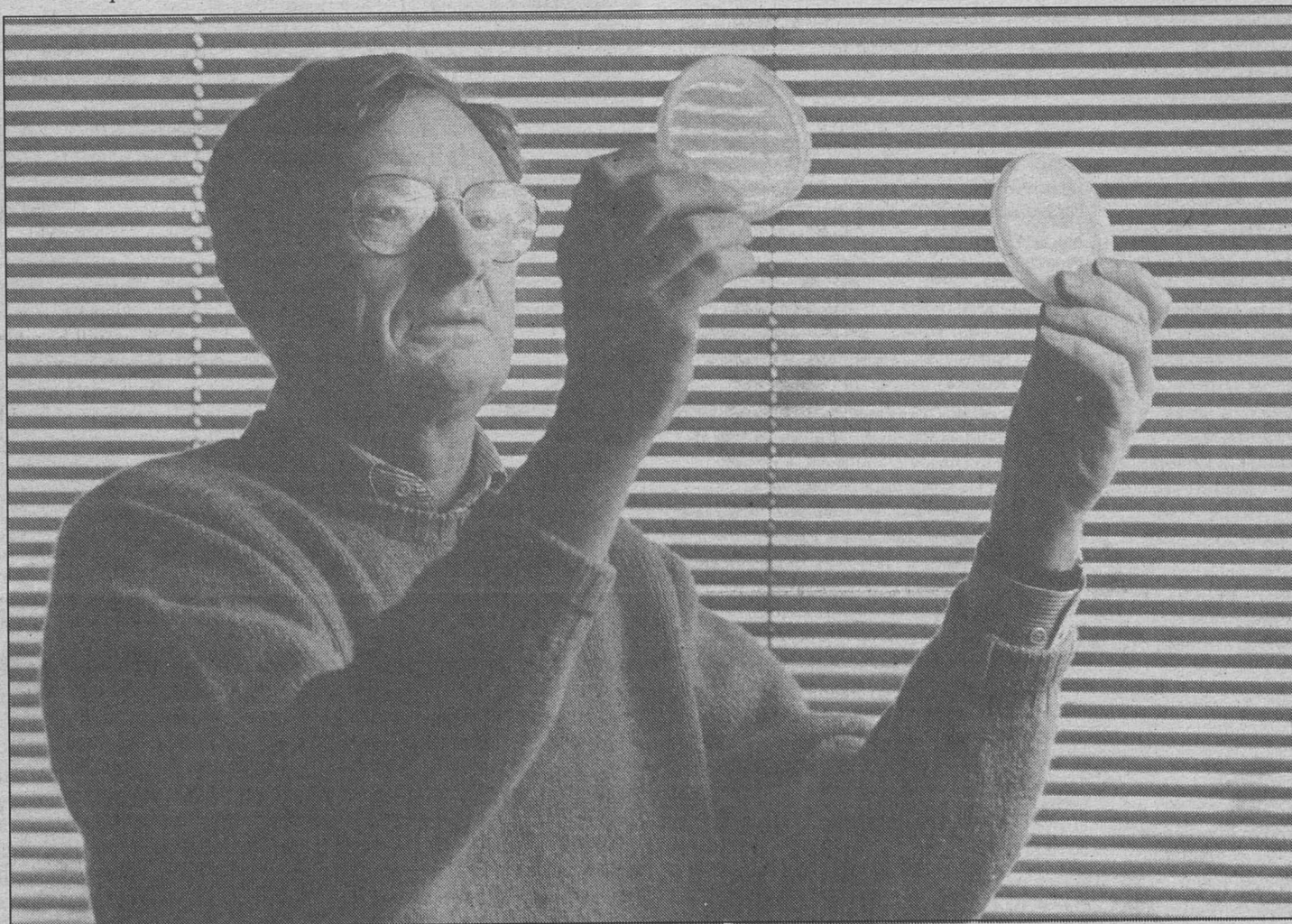
Wang says he is particularly impressed with the amount of time Deuel devotes to helping his foreign students understand English when they are speaking or writing about their

work for a grant proposal. "He really tries to help us improve our English and our writing. Sometimes, we sit together and go through a paper sentence by sentence, and he corrects my grammar and tells me what is right and what is wrong," Wang says. "Many mentors would write for you and not take the time to help you learn."

Deuel's is a two-doctor family. His wife, Ruthmary K. Deuel, M.D., is a professor of neurology at the University and practices neurology at Children's Hospital. But, despite their long hours, the Deuels have managed not to let their careers detract from raising three children, whose photos cover the walls of Deuel's office. One reason may be that when this family gets away from it all, it really gets away. A recent, and typical, vacation took them on a two-week trek with the Sierra Club through the National Arctic Wildlife Reserve, where their only company were the caribou and wolves that roam the tundra. Deuel not only likes the challenges posed by hiking and climbing trips in rugged country, but he also believes that such trips strengthen family bonds. "It's a wonderful chance for a family to have fun together in a way that concentrates on the basics," he says. "You learn to appreciate how fragile and beautiful nature is, and how little you actually need to get along very well. It's also physically demanding," he adds. "You really get into shape in a hurry."

Between running a research lab, caring for patients, serving as an associate editor for the journal *Blood*, and preparing for and recovering from his exhaustive "vacations," Deuel would seem to be an inordinately busy man.

True enough, he says. But, he adds, "everybody in this business works very hard. It's because we enjoy it." And, he adds, "we're constantly thinking about clinical problems as well, trying to determine how this bit of information fits in with what is already known. As investigators, we can never forget that what we are doing is not in isolation, but that we're talking about human disease."



"I really enjoy trying to explain things that don't make a lot of sense. ... As investigators, we are constantly coming across observations that don't fit the hypothesis."

through what does this really mean, how can one use this information. He is a phenomenal guy."

The second man Deuel credits with helping him become an effective teacher and investigator is Earl R. Stadtman, Ph.D. He recalls Stadtman as one of those once-in-a-lifetime mentors and teachers, the kind who encourages and drives students to produce their best work. Deuel served under Stadtman from 1966-1970 in the biochemistry laboratory at the National Heart, Lung and Blood Institute. "Earl somehow managed to stick to the basics. He knew a lot, he thought a lot, he was enormously supportive and he was able to encourage people to pursue their own ideas. He was also incredibly critical, in a positive way. He was constantly going for the truth. It just had to be right. He conveyed that to people."

One gets the sense that Deuel conveys that same stern, no-nonsense search for truth to his own staff, which includes three graduate students and five

Calendar

April 15-24



Exhibitions

Master of Fine Arts Thesis Exhibition I. Through April 18. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-6597.

Master of Fine Arts Thesis Exhibition II. Exhibit opening: 5-7 p.m. April 23. Exhibit continues through May 2. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-6597.

"SKIN." An exhibit of varied interpretations of the word "skin." Works created by students of the WU School of Fine Arts. Exhibit opening: 7 p.m.-midnight April 16. Exhibit continues through April 18. 6 Floor Gallery, 1310 Washington Ave. Hours: noon-4 p.m. and 8 p.m.-midnight Saturday; noon-4 p.m. Sunday. For more info., call 621-1944.

First-year Master of Fine Arts Exhibition. Through April 18. Pierce Arrow Bldg., 4814 Washington Ave., second floor. Hours: 10 a.m.-5 p.m. Saturdays; 2-5 p.m. Sundays. For more info., call 935-6500.

School of Fine Arts Junior Exhibit. Through April 18. Bixby Gallery, Bixby Hall. Hours: 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-4643.

"Perspectives: Jarvis Thurston and Mona Van Duyn." Through May 7. Olin Library, Special Collections, Level 5. Hours: 8:30 a.m.-5 p.m. weekdays. For more info., call 935-5495.

"Washington University Art Collections — 19th- and 20th-century European and American Artists." Through May. Gallery of Art, lower gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-4523.

"Bodies, Bones and Belligerence: China Perceived by Westerners, 1914-1941." Through May 28. Glaser Gallery, seventh floor, School of Medicine Library. Hours: 8 a.m.-10 p.m. weekdays; 1-6 p.m. weekends. For more info., call 362-4239.

"Goddesses, Queens and Women of Achievement on Coins and Medallions From the Wulfin and Bixby Collections." Through July 3. Gallery of Art, lower gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-4523.



Films

Thursday, April 15

7 p.m. Dept. of Asian and Near Eastern Languages and Literatures Japanese Film Series presents "The Funeral" (English subtitles). Room 219 South Ridgley Hall.

Friday, April 16

6 and 9 p.m. Filmboard Feature Series presents "The Last Temptation of Christ." (Also April 17, same times, and April 18, 6:30 p.m.) Room 100 Brown Hall. Cost: \$3.

Midnight. Filmboard Midnight Series presents "Truth or Dare." (Also April 17, same time, and April 18, 9:30 p.m.) Room 100 Brown Hall. Cost: \$3.

Monday, April 19

3 p.m. Dept. of Russian presents a film, "The Burglar" (English subtitles). Room 219 South Ridgley Hall. For more info., call 935-5177.

7 and 9 p.m. Filmboard Classic Series presents "Wavelength and Serene Velocity." (Also April 20, same times.) Room 100 Brown Hall. Cost: \$3.

Friday, April 23

7 p.m. The Gay and Lesbian Association of Student Social Workers presents "The Life and Times of Harvey Milk." Room B-22 Brown Hall.



Lectures

Thursday, April 15

9:30 a.m. Division of Pulmonary and Critical Care Medicine 17th I. Jerome Flance Lecture, "More Than Antitrypsin Deficiency," John A. Pierce, professor emeritus of medicine, WU School of Medicine. Clopton Aud., 4950 Children's Place.

Noon. Dept. of Genetics seminar, "Do Mutations in the Amyloid Precursor Protein Gene Cause Alzheimer's Disease?" Allison Goate, WU Dept. of Psychiatry. Room 816 McDonnell Medical Sciences Bldg.

Noon. Dept. of Molecular Biology and Pharmacology seminar, "Regulated Alternative Splicing: Complexity Under Control," Bernardo Nadal-Ginard, Pfizer Visiting Cardiovascular Professor. Harvard Medical School, Boston. The Philip Needleman Library, Room 3907 South Bldg.

4 p.m. Dept. of Chemistry seminar, "Spectroscopic and Mechanistic Studies of Metal Cofactors in Biology," James A. Cowan, Ohio State U., Columbus. Room 311 McMillen Laboratory. (Coffee: 3:40 p.m. outside Room 311.)

4 p.m. Division of Biology and Biomedical Sciences Student-sponsored seminar, "Control of Cell Cycle and Morphogenesis in Budding Yeast," Ira Herskowitz, U. of California. Erlanger Aud., McDonnell Medical Sciences Bldg.

4 p.m. School of Medicine presents "The 17th Annual Mildred Trotter Lecture, 'Recent Studies of Gene Expression in Normal, Trisomic and Transgenic Mice,' Mary Lou Oster-Granite, prof. of biomedical sciences, U. of California, Riverside. Cori Aud., 660 S. Euclid Ave.

4:15 p.m. Dept. of Philosophy colloquium, "Objectivity, Pragmatism and Idealism," Robert Kraut, prof. of philosophy, Ohio State U. Alumni House living room, 6510 Wallace Circle.

4:30 p.m. Dept. of Mathematics colloquium with Randy McCarthy, Brown U., Providence, R.I. Room 199 Cupples I Hall. (Tea: 4 p.m., Room 200.)

Friday, April 16

9:15 a.m. Dept. of Pediatrics presents the Pfizer Visiting Cardiovascular Professorship Lecture, "Molecular Aspects of Cardiac Growth and Hypertrophy. Prospects for Cardiac Regeneration," Bernardo Nadal-Ginard, Alexander S. Nadas Professor of Pediatrics, prof. of cellular and molecular physiology, Harvard Medical School, Boston. Clopton Aud., 4950 Children's Place.

Noon. Dept. of Cell Biology and Physiology seminar, "Molecular Density of a Sweet Tooth Cavity: Probing the Glucose-sensitive Potassium (K_{ATP}) Channel," Colin G. Nichols, asst. prof., WU Dept. of Cell Biology and Physiology. Room 423 McDonnell Medical Sciences Bldg.

1 p.m. Solid-state Engineering and Applied Physics seminar, "A Novel Technique for Fabrication of D-shaped Optical Fibers for Fiber-waveguide Coupling," Marcelo H. Cordaro, graduate student, WU Dept. of Electrical Engineering. Room 305 Bryan Hall.

3 p.m. Dept. of Chemistry Graduate Student-sponsored seminar presents the Leopold Marcus Lecture, "Transition Metal Templates for Synthetic Efficiency," Barry M. Trost, Stanford U. Room 461 Louderman Hall.

3:30 p.m. Dept. of Mathematics Analysis seminar, "Singular Integrals With Holomorphic Kernels and Fourier Multipliers on Star-shaped Lipschitz Curves," Tao Qian, prof., U. of New England, Armidale, NSW, Australia. Room 199 Cupples I Hall.



Clockwise, from left: Ryan Patterson, Shao-Bai Wu and Molly Altman perform in "Foaming at the Mouth" by senior Marc Henry Lempert. The play was selected from 27 entries in the third annual A.E. Hotchner Playwriting Competition.

Play written by senior performed

A new play written by senior Marc Henry Lempert will be performed at 8 p.m. April 22, 23, and 24 and at 2 p.m. April 25 in the Drama Studio, Room 208 Mallinckrodt Center. The play, titled "Foaming at the Mouth," is the winning entry in the annual A.E. Hotchner Student Playwriting Competition.

The entries were judged by Susan Gregg, assistant artistic director, Repertory Theatre of St. Louis, Joe Pollack, St. Louis Post-Dispatch theatre critic, and Bob Wilcox, Riverfront Times theatre critic.

The play, which has a five-member cast, is about a dysfunctional family in Texas. The story focuses on a 10-year-old girl and how her family's troubles affect her. The girl's part is played by 13-year-old Molly Altman.

Altman has performed in numerous local productions, including "Nonsense," "Free to be You and Me" and "Annie Get Your Gun."

The other four actors are seniors Shao-Bai Wu and Peter Sarsgard and first-year

students Ryan Patterson and Nick Tamarkin. Sarsgard starred in "Art of Success" and "Hedda Gabler," this year at the University. Tamarkin, who plays Travis, the invisible character, in "Foaming at the Mouth," appeared in "Gotcha," a one-act play presented last fall.

Playwright Lempert is majoring in English literature and drama. The Houston native is attending the University on an A.E. Hotchner scholarship.

The play is directed by graduate student Seana Manning, who will receive her master's degree in drama this spring. Manning has had extensive directing experience at Washington University. Her directing credits include "Danny and the Deep Blue Sea," "Downtown," "Rape of Lucrece," "The Field" and "The Art of Dining."

Tickets to "Foaming at the Mouth" are \$7 for the general public; \$5 for senior citizens, Washington University faculty, staff and students.

For more information, call 935-6543.

Saturday, April 17

9 a.m. Dept. of Philosophy seminar, "Component Placement Optimization in the Nervous System," Chris Cherniack, U. of Maryland, College Park. Erlanger Aud., McDonnell Medical Sciences Bldg.

Monday, April 19

4 p.m. Dept. of Biology lecture, "Ubiquitin Mediated Protein Degradation," Alan Schwartz, Alumni Professor of Pediatrics, WU School of Medicine. Room 322 Rebstock Hall.

4 p.m. Graduate Program in Immunology seminar, "Distinct Mechanisms of Signaling by the Two Receptors for Tumor Necrosis Factor," David V. Goeddel, director, molecular biology, Genentech Inc., South San Francisco. Third Floor Aud., St. Louis Children's Hospital, 400 S. Kingshighway.

Tuesday, April 20

Noon. Radiology Research Division Brown Bag Seminar, "Modeling and Analysis of Surface and Volumetric Image Data, Gulab

4 p.m. Assembly Series presents the Tyrrell Williams Lecture, "Legal Education in the '90s: It Was the Best of Times, It Was the Worst of Times," Betsy Levin, Arch T. Allen Distinguished Professor of Law, U. of North Carolina. Court Room, Mudd Hall. For more info., call 935-5285.

4 p.m. Dept. of Anatomy and Neurobiology seminar, "Maps and Controlled Remappings: Basic Elements of Neural Computation," Charles Anderson, prof., Division of General Surgery; research prof. of neurobiology and Professor Institute of Biomedical Computation, WU. Room 928 McDonnell Medical Sciences Bldg.

4 p.m. Dept. of Earth and Planetary Sciences Charles W. Buescher Memorial Colloquium, "Mineral Physics: From Spectroscopy to Earth Models," Dion L. Heinz, asst. prof., Dept. of Geophysical Science, U. of Chicago. Room 361 Natural Sciences Bldg.

4 p.m. Dept. of Music lecture with composer Willard Roosevelt. He will discuss his music. Alumni House, 6510 Wallace Circle.

Bhatia, research assoc., WU Dept. of Radiology. Room 482 Old Children's Hospital.

12:10 p.m. Program in Physical Therapy Brown Bag Research seminar, "Development of Locomotor Skills in the Shaker Rat," Ruth Clark, instructor, WU Program in Physical Therapy, and Jack Cribb, WU Graduate Program in Physical Therapy. Steven J. Rose Conference Room, third floor, Room 3400 East Bldg.

2:30 p.m. Dept. of Mathematics major oral with Anita Pabody, WU graduate student. Room 199 Cupples I Hall.

4 p.m. Dept. of Chemistry seminar, "Molecular Recognition of DNA and RNA by Synthetic Macrocylic Probes," Eric T. Kool, U. of Rochester. Room 311 McMillen Laboratory. (Coffee: 3:40 p.m.)

4 p.m. Dept. of Mathematics analysis seminar with Juan Manfredi, prof., U. of Pittsburgh and Northwestern U., Evanston, Ill. Room 199 Cupples I Hall.

4 p.m. Molecular Microbiology seminar, "NIF Gene Regulation in Photosynthetic Bacteria," Robert Kranz, asst. prof., WU Dept. of Biology. Room 775 McDonnell Medical Sciences Bldg.

Wednesday, April 21

8 a.m. Dept. of Obstetrics and Gynecology Grand Rounds, "The Critical Role of the Obstetrician in Successful Breast Feeding and Lactation," Ruth Lawrence, Dept. of Pediatrics, U. of Rochester Medical Center, Strong Memorial Hospital. Clopton Aud., 4950 Children's Place.

11 a.m. Assembly Series presents the Adele Chomeau Starbird Memorial Lecture, "Toward a Politics of Hope: Personal Meaning and Social Change," Frances Moore Lappé, author of *Diet for a Small Planet*. Graham Chapel. For info., call 935-5285.

Noon. Jewish Hospital Cancer Committee presents the Marilyn Fixman Clinical Cancer Conference, "Medical Management of Chronic Cancer Pain," T. Declan Walsh, director, Palliative Care Service, The Cleveland Clinic. Steinberg Amphitheater, Jewish Hospital. For more info., call 454-5550.

4 p.m. Dept. of Physics colloquium, "Does Information Weigh?" Jacob Bekenstein, prof. of physics, Hebrew U., Jerusalem. Room 204 Crow Hall. (Coffee: 3:30 p.m. Room 245 Compton Hall.)

5 p.m. Division of Cardiology seminar, "Heart Rate Variability: Meaning and Prognostic Value," Robert Kleiger, Ira M. Lang Professor of Nephrology, WU, and Jeffrey Rottman, asst. prof., WU Dept. of Medicine. Room 601A School of Medicine Library.

Thursday, April 22

4 p.m. Assembly Series presents a lecture/demonstration, including solo and group improvisations with Murray Louis, Nikolais and Murray Louis Dance Company. Edison Theatre. For more info., call 935-5285.

4 p.m. Dept. of Chemistry seminar, "Reductive Cyclization of Unsaturated Ketones: Homogeneous and Heterogeneous Redox Catalysis Studies," James E. Schwartz, Grinnell College, Grinnell, Iowa. Room 311 McMillen. (Coffee: 3:40 p.m.)

4 p.m. Dept. of Earth and Planetary Sciences colloquium, "An Example Use of Artificial Neural Networks in Environmental Remote Sensing," James A. Smith, staff scientist, Laboratory for Terrestrial Physics, NASA Goddard Space Flight Center and visiting scientist, Earth Systems Science Curriculum Grant. Room 362 Natural Sciences Bldg.

4 p.m. Dept. of Molecular Biology and Pharmacology presents the 16th Oliver H. Lowry Lecture, "Misplaced Oncogenes," Philip Leder, prof. and chairman, Dept. of Genetics, Harvard Medical School; senior investigator, Howard Hughes Medical Institute, Boston. Moore Aud., first floor, WU School of Medicine.

Calendar guidelines

Events sponsored by the University — its departments, schools, centers, organizations and its recognized student organizations — are published in the Calendar. All events are free and open to the public, unless otherwise noted.

Calendar submissions should state time, date, place, sponsor, title of event, name of speaker(s) and affiliation, and admission cost. Quality promotional photographs with descriptions are welcome. Send items to Marie Doss at Box 1070 (or via fax: 935-4259). Submission forms are available by calling 935-8533.

The deadline for all entries is noon Tuesday one week prior to publication. Late entries will not be printed. The Record is printed every Thursday during the school year, except holidays, and monthly during the summer. If you are uncertain about a deadline, holiday schedule, or any other information, please call 935-8533.

4 p.m. John M. Olin School of Business lecture, "The New World of Business Competition," William E. Simon, president, John M. Olin Foundation and former secretary of the U.S. Treasury. May Aud., Simon Hall. For more info., call 935-4214.

4:15 p.m. Dept. of Political Science Honors Convocation and Second Annual Thomas H. Eliot Memorial Lecture, "Tom Eliot and the Department: A Brief History," John Kautsky, professor emeritus of political science, WU. Room 200 Eliot Hall.

4:30 p.m. Dept. of Mathematics colloquium, "K-theory and Cyclic Homology," Susan Geller, prof., Texas A&M U., College Station, Texas. Room 199 Cupples I Hall. (Tea: 4 p.m., Room 200.)

Friday, April 23

9:15 a.m. Pediatric Grand Rounds, "Food Allergy: What is it? Who has it?" S. Allan Bock, clinical prof., Dept. of Pediatrics, U. of Colorado Health Sciences Center. Clopton Aud., 4950 Children's Place.

Noon. Dept. of Cell Biology and Physiology seminar, "Functional Diversity of Actin Isoforms," Ira M. Herman, Dept. of Anatomy and Cell Biology, Tufts U. School of Medicine, Medford, Mass. Room 423 McDonnell Medical Sciences Bldg.

1 p.m. Solid-state Engineering and Applied Physics seminar, "Piezoelectric Properties of GaAs and Application as an Acoustic Sensor in Hyperthermia Treatment," Daniel L. McKinnis, graduate student, Dept. of Electrical Engineering. Room 305 Bryan Hall.

2:30-5:30 p.m. The American Chemical Society St. Louis Award Symposium, "Pathogenesis, Mutagenesis and Cancer: Chemical Approaches to Complex Biological Problems," David Lynn, assoc. prof., Dept. of Chemistry, U. of Chicago, John-Stephen Taylor, assoc. prof., WU Dept. of Chemistry, and Darryl Rideout, assoc. member, Dept. of Molecular Biology, The Scripps Research Institute, La Jolla, Calif. Room 458 Louderman Hall.

Saturday, April 24

7:30 a.m.-4 p.m. Office of Continuing Medical Education seminar, "Principles of Hemodynamic Monitoring in Anesthesia and Intensive Care," Demetrios G. Lappas, program chairman. (6.5 credit hours AMA Category 1.) The Ritz-Carlton Hotel, St. Louis. Cost: \$125. For more info., call (314) 362-6893 or (800) 325-9862.



Music

Friday, April 16

6:30 p.m. Dept. of Music presents an oboe recital with oboist Dedra Foote, pianist Annette Burkhardt and bassoonist David Zar. Gallery of Art, Steinberg Hall.

8 p.m. Dept. of Music presents the Chamber Choir of WU, "A Concert of 17th-century Music," directed by John Stewart. Graham Chapel.

Saturday, April 17

7 p.m. Ashoka, the Indian student association, presents a classical Indian music concert with Imrat Khan, poet of sitar and surbahar. Khan will be accompanied on the tabla by Shafaatullah Khan. Edison Theatre, Mallinckrodt Center. Cost: \$15 for the general public, senior citizens and WU faculty and staff; \$10 for students. For more info., call 935-1965 or 935-6543.

Sunday, April 18

2:30 p.m. Dept. of Music presents a joint concert with the WU Wind Ensemble and Southeast Missouri State University Wind Ensemble, directed by Dan Presgrave. Guest soloist: flutist Rachelle Brandt. Saint Louis Art Museum Theatre, Forest Park. For more info., call 935-5581.

7:30 p.m. Dept. of Music presents the Chamber Choir of WU, directed by John Stewart. Christ Church Cathedral, 1210 Locust.

8 p.m. Dept. of Music presents a piano recital featuring Seth Carlin, prof., WU Dept. of Music. Edison Theatre. Cost: \$5 for the general public; free for students, Friends of Music and WU faculty and staff. For more info., call 935-5581.

Monday, April 19

8 p.m. Dept. of Music presents a clarinet recital with Mark Smith. Graham Chapel.

Thursday, April 22

Dept. of Music presents a "Concert of 17th-century Vocal and Instrumental Music" with

soprano Christine Armistead; organist and harpsichordist Carl Smith; mezzo-soprano Robyn Reso; and lutenist Daniel Swenberg. Graham Chapel.

Friday, April 23

8 p.m. Dept. of Music presents a recital of 17th-century organ music with baroque organist Carl Smith. Saint Louis Abbey, 500 S. Mason Road.

Saturday, April 24

8 p.m. African and Afro-American Studies Program and the Dept. of Music present the Black Composer Repertory Chorus Concert directed by Robert Ray, adjunct instructor, African and Afro-American studies, WU. Steinberg Hall Aud.

8 p.m. Dept. of Music presents the Chamber Choir of WU directed by John Stewart, assoc. prof., WU Dept. of Music. Second Presbyterian Church, 4501 Westminster Place.



Performances

Thursday, April 22

8 p.m. Performing Arts Dept. presents the winning play from the A.E. Hotchner Student Playwriting Competition. (Also April 23 and 24, same time, and April 25, 2 p.m.) Drama Studio, Room 208 Mallinckrodt Center. Cost: \$7 for the general public; \$5 for students, senior citizens and WU faculty and staff. For more info. and reservations, call 935-6543.

Friday, April 23

8 p.m. Edison Theatre "OVATIONS!" series presents Nikolais and Murray Louis Dance Company. (Also April 24, same time, and April 25, 2 p.m.) Edison Theatre. Cost: \$20 for the general public; \$15 for senior citizens and WU faculty and staff; and \$10 for students. For more info. and reservations, call 935-6543.

Saturday, April 24

2 p.m. Edison Theatre "ovations! for young people" series presents the Nikolais and Murray Louis Dance Company. Edison Theatre. Cost: \$7. For more info. and reservations, call 935-6543.

Sports

Baseball

Last Week: Missouri Baptist 15, Washington 3; Washington 6-1, MacMurray 2-3

This Week: Principia College, 2 p.m. Thursday, April 15, Kelly Field; DePauw University, 1:30 p.m. Saturday, April 17, Greencastle, Ind.; Wabash College, Noon Sunday, April 18, Crawfordsville, Ind.

Current Record: 13-13-1

Thanks to a six-run sixth inning, the Bears defeated MacMurray 6-2, handing junior pitcher Kirt Ervin, Highland, Ill., his fifth victory of the season. Ervin, who scattered eight hits and allowed no earned runs, extended his string of innings without an earned run to 26. Trailing 2-0, sophomore Bob Wallace, Cary, Ill., drove in the tying run with a base hit while freshman Dane Glueck, Mountain Home, Ark., added some insurance runs with a three-run homer. In the second game, the Bears fell 3-1, despite a five-hit performance by freshman pitcher Andrew Lloyd, Bloomington, Ind. Like Ervin, Lloyd did not allow an earned run in the game.

Men and Women's Track and Field

Last Meet: Greenville Invitational (non-scoring)

This Week: DeLong Classic at Grinnell College, 10:30 a.m. Saturday, April 17, Grinnell, Iowa

The Bears continued to tune for the upcoming University Athletic Association (UAA) Championships by posting impressive performances at Saturday's Greenville Invitational. On the men's side, the Red and Green charted ten victories, with sophomore Antone Meaux, Cincinnati,



Miscellany

Saturday, April 17

9 a.m.-5:30 p.m. Committee on Comparative Literature, Dept. of Asian and Near Eastern Languages and Literatures, Dept. of English and Dept. of Romance Languages and Literatures present the "Comparative Literature Symposium on Autobiography," featuring several speakers. For info., call 935-5170.

11 a.m.-8 p.m. WU Thurtene Carnival, "Magic in Motion." (Also April 18, same time.) Corner of Millbrook and Skinker boulevards. For more info., call 935-3033 or 935-3113.

Monday, April 19

7:30 p.m. B'nai B'rith Hillel Foundation of St. Louis presents the B'nai B'rith Hillel Foundation's Annual Meeting, "Challenges in Teaching the Holocaust," Marc Saperstein, Gloria M. Goldstein Professor of Jewish History and Thought, and chair, Jewish and Near Eastern Studies Program, WU. Hillel Center, 6300 Forsyth Blvd. Cost: \$5. For more info., call 726-6177.

8 p.m. Dept. of English presents a reading with Judy Troy, who will be reading from her fiction. Women's Bldg. Lounge. For more info., call 935-5190.

Wednesday, April 21

8 p.m. Dept. of English presents "Readings From the Writing Program" with Sarah Beck and Linda Peavy. Hurst Lounge, Room 201 Duncker Hall. For more info., call 935-5190.

Thursday, April 22

7 p.m. Center for American Indian Studies and EarthWays 1993 present an Earth Day Town Hall Meeting. Steinberg Hall Aud. For more info., call 963-1996.

Friday, April 23

9 a.m.-5 p.m. Dept. of Music Conference of The Society for Seventeenth-Century Music. (Also April 24, same time, and April 25, 9 a.m.-noon.) Room 110 John M. Olin School of Business on April 23 and Rooms 106 and 110 on April 24 and 25. For more info., call 935-5581.

Ohio, leading the way. Meaux, named UAA Outstanding Performer at the indoor championships, won the 200 (22.6) and the long jump (21' 1 1/2"), and placed second in the 100 (11.3). The women took top honors in five events, with senior Michelle Kirwan, Tampa, Fla., winning the long jump (season-best 16' 9 1/4") and placing second in the 100 (13.7).

Women's Tennis

Last Week: Washington 7, St. Louis 2

This Week: Idle

Current Record: 5-3

The Bears won the top five singles matches and the top two doubles contests against rival St. Louis University. Sophomore Tara Salamone, Greenlawn, N.Y., claimed a 6-4, 6-2 win at first singles. Salamone also teamed with junior Kim Villena, Cincinnati, Ohio, to win first doubles by a 7-6, 6-7, 6-3 count.

The Bears are preparing for the Midwest Regionals on April 16-17, and the UAA Championships on April 23-25.

Men's Tennis

Last Week: Washington 7, Jefferson College 2 (exhibition)

This Week: St. Louis University, 3 p.m. Wednesday, April 14, Tao Tennis Center; Principia College, 10 a.m. Saturday, April 17, Tao Tennis Center; University of Missouri-St. Louis, 3 p.m. Monday, April 19, Tao Tennis Center.

Current Record: 2-5

The Bears play their final three regular season matches this week before traveling to Cleveland next weekend for the Sixth Annual UAA Championships.



Banners for the April Welcome program show the range of campus activities available to prospective student visitors. April Welcome, an expanded student recruitment program, will last throughout the month.

Olin Challenge festivities planned

A speech by former Secretary of the Treasury William E. Simon and the fifth annual Olin Cup competition will highlight the festivities April 22-23 as the business school celebrates the completion of a \$15 million challenge grant from the John M. Olin Foundation.

Simon, who headed the Treasury during the Nixon Administration, is now president of the Olin Foundation. His many business activities include founding WSPG International, an investment and financial services firm, and William E. Simon and Sons, a private merchant bank.

His lecture on "The New World of Business Competition" will kick off the celebration at 4 p.m. Thursday, April 22, in the May Auditorium of Simon Hall. The speech is free and open to the public. Chancellor William H. Danforth will present Simon with the University's Robert S. Brookings Award at a private ceremony that evening.

The celebration continues on Friday, April 23, with the final rounds in the school's Olin Cup, an annual competition in which student teams are judged on their ability to make persuasive oral business presentations. "Opportunities

for American Business" is theme of this year's competition, which runs from 8 a.m. until 11:30 a.m. in the May Auditorium. The campus community is invited to the competition, as well as an awards ceremony, a student discussion with Simon and a closing luncheon. For information, call 935-4214.

Olin grant — from page 1

issues; a program of grants to encourage research by Washington University faculty in issues of business and law; and several workshops and symposia. An initial focus at the center has been the economic analysis of environmental issues facing business.

The Olin School also has added substantially to its investment in research and development, computing facilities, the library and other supporting services. New courses have been added on entrepreneurship, business and the environment, quality management, negotiation skills, competitive strategy, investment banking, international business and brand management. In addition, the school's summer study and internship program in London has been expanded substantially.

Organist Michael Farris to draw from various styles, periods in Graham Chapel performance

Organist Michael Farris will perform at 8 p.m. on Sunday, April 18, in Graham Chapel. The concert is co-sponsored by the St. Louis Chapter of the American Guild of Organists and Washington University. Admission is free.

Farris, professor and chairman of organ at the University of Illinois, Champaign-Urbana, has been hailed by The New York Times as "an organist of unusual brilliance and versatility." The program will include works by Vincent Lübeck, Robert Schumann, Franz Liszt, J.S. Bach, César Franck and Marcel Dupré.

A native of New Mexico, Farris holds a Doctor of Musical Arts degree and Artist's

Diploma from the Eastman School of Music, where he was mentored by famed American teacher Russell Saunders. A winner of several prominent competitions, in 1986 Farris won the National Young Artist Competition of the American Guild of Organists (AGO) and was sent by AGO to perform before the International Congress of Organists in Cambridge, England.

Although he draws from various styles and periods in his performances, his compact disc recording, "French Fireworks," features works of 19th- and 20th-century French composers. For more information, call 352-1838.

Lappé speaks on politics of hope

Frances Moore Lappé, author of *Diet for a Small Planet*, will give the Adele Chomeau Starbird Memorial Lecture at 11 a.m. Wednesday, April 21, in Graham Chapel. Her talk, "Toward a Politics of Hope: Personal Meaning and Social Change," is part of the Assembly Series and is free and open to the public.

Lappé's 1989 book *Rediscovering America's Values* sparked dialogue on democratic values.



Frances Moore Lappé

A year later she and Paul Martin Du Bois co-founded the Institute for the Arts of Democracy (IAD) in order to create "citizen democracy." The institute studies and promotes people "doing democracy" for themselves, such as schoolchildren taking on the Environmental Protection Agency and doing their own water-quality testing.

Lappé's 11 books, including her 1990 *Taking Population Seriously*, have been translated into 22 languages and are used in more than 50 countries. Her articles appear in publications as diverse as The New York Times and Harper's. In addition to appear-

ances on several television documentaries, her television credits include the "Today Show" and "Good Morning America." She has been a guest on CBS radio and National Public Radio.

Lappé's 1971 *Diet for a Small Planet* called on Americans to help solve world hunger by eating lower on the food chain. The book, which sold more than four million copies, earned her a reputation as "the Julia Child of the soybean circuit."

In 1975 she co-founded the Institute for Food and Development Policy with policy analyst Joseph Collins. They co-authored *Food First: Beyond the Myth of Scarcity*. The book gained Lappé the respect of policymakers worldwide. In 1987, it earned her Sweden's prestigious Right Livelihood Award, sometimes known as the "alternative Nobel Prize," for her "vision and work healing our planet and uplifting humanity."

Lappé's other awards include the 1982 World Hunger Media Award given "to encourage honor and reward those members of the media who have made significant contributions to bringing public attention to the critical issues of world hunger, poverty, and development."

The lecture is co-sponsored by the Assembly Series, Environmental Action Group, Student Union and Women's Society of Washington University. For more information, call 935-4620.

Nikolais and Murray Louis Dance Company celebrates Edison's 20th anniversary season

The Nikolais and Murray Louis Dance Company will perform at 8 p.m. April 23 and 24, and 2 p.m. April 25 at Edison Theatre. This event is part of Edison Theatre's "OVATIONS!" series.

The company, which first performed here 20 years ago when the Edison opened, is helping the theatre celebrate its anniversary season. The performance is co-sponsored by Dance St. Louis.

At 2 p.m. April 24, the company also will perform a special one-hour event for the "ovations! for young people" series. In addition, Murray Louis will conduct a free lecture/demonstration at 4 p.m. Thursday, April 22, in Edison Theatre. That presentation, titled "The Dance Theatre Art of Nikolais and Murray Louis," is co-sponsored by Edison Theatre, Assembly Series, Performing Arts Department, Washington University Society for the Arts and Student Union.

On April 23 and 24 the company will perform "Porcelain Dialogues," which features six figures dressed in white conducting a "conversation in movement" to Tchaikovsky's "Quartet in D Major"; "Personnae," a raucous, zany group dance to the fast and wild music of Free Life Communications; and "Gallery," a macabre and eerie commentary on society set in a shooting gallery. This is one of Nikolais' most popular pieces.

On April 25 the company will perform "Crucible," a parable of evolution using lights and mirrors to create a wondrous cauldron from which life evolves; "Proximities," originally created as a valentine for the company; and "Tower," which was originally commissioned by the Walker Art Center in Minneapolis in 1965.

For the "ovations! for young people" event the company will present "Personnae" and "Gallery."

Alwin Nikolais and Murray Louis, the subjects of an award-winning documentary film broadcast in 1987 on public television, are considered legends of modern dance. Both men have been choreographing for more than 50 years. Nikolais is famous for

multimedia experiments and Louis has developed a dance style capable of being lyrical one moment and comic the next. Nikolais founded his company in 1948. Murray Louis, who joined Nikolais' company as a lead dancer in 1949, established his own troupe in 1953. Having previously shared seasons, the two men officially merged their companies in 1989, each one choreographing for the dancers.

Nikolais, who is not only a choreographer but a composer and scene and costume designer, has left his imprint on every theatrical medium — from Broadway to television. Born in Connecticut, Nikolais studied scene design, acting puppetry and music composition as a young man. After attending a performance by the illustrious German dancer Mary Wigman, he was inspired to study dance. He received training from many of the great figures of the modern dance world: Hanya Holm, Martha Graham, Doris Humphrey and others. Nikolais' interest in music led him to create his own sound scores. Eventually he manipulated the various sounds by using a tape recorder. A Guggenheim fellowship allowed him to purchase the first electronic synthesizer from Robert Moog.

Creator of more than 100 works, Louis' repertoire has been praised for the perception, intelligence and wit he brings to it. In 1968 Louis' company rose to international prominence when it was chosen to represent the U.S. State Department on a two-month tour of India. In addition to choreographing for numerous ballet companies, Louis created two works for Rudolf Nureyev that were premiered on Broadway in 1978. In addition, he created a special program when Nureyev and he danced together with the Murray Louis Dance Company.

Tickets to the "OVATIONS!" event are \$20 for the general public; \$15 for senior citizens, Washington University faculty and staff; and \$10 for students. Tickets to "ovations! for young people" are \$7. They are available at the Edison box office or through Metrotix at 534-1111. For more information, call 935-6543.

Social phenomena focus of conference

An interdisciplinary conference on the social sciences, titled "Explaining Social Phenomena," will be held April 30 through May 2 in the Alumni House, 6510 Wallace Circle. The conference is free and open to the public.

During the conference, prominent social scientists from across the country will draw on their recent work on class and culture, changes in family structure, justice, and education. They will explore issues of causal explanation, interpretation, and comparative method.

Participants from Washington University are Richard Fox, Lawrence May, John Nye, Lee Robins and Kristin Zapalac.

Conference events will take place from 10 a.m. to 5 p.m. April 30, 9 a.m. to 6:30 p.m. May 1, and 10 a.m. to 12:30 p.m. May 2.

The conference is sponsored by the Committee on Social Thought and Analysis. Registration deadline is April 16. For more information or to register for the conference, call Anita Bledsoe at 935-4860.

For The Record

For The Record contains news about a wide variety of faculty, student and staff scholarly and professional activities.

Of note

Tony Fitzpatrick, senior science editor in the Office of Public Affairs, received the 1993 Environmental Preservation Award from the Garfield Farm Museum in LaFox, Ill., in honor of his book *Signals From the Heartland*. The award recognizes Fitzpatrick's significant contributions to historic preservation, as well as agricultural and environmental conservation. He received the award during a presentation at the Dunham Woods Riding Club in Wayne, Ill. ...

The Maine affiliate of the American Heart Association presented its 1993 Eugene H. Drake Memorial Award to **Burton E. Sobel**, M.D., Tobias and Hortense Lewin Professor of Cardiovascular Diseases and director of the cardiovascular division. He received the award for his vast contributions in cardiovascular medicine and research. Sobel received the award during the organization's meeting in Rockland, Maine.

Speaking of

André d'Avignon, Ph.D., director of the High Resolution Nuclear Magnetic Resonance (NMR) Facility in the Department of Chemistry, delivered a presentation titled "Two-dimensional NMR Studies of Non-drolone Decanoate and Its Decomposition Products" at the U.S. Food and Drug Administration's St. Louis office. ...

The Australian Society for Microbiology invited **Staffan J. Normark**, M.D., Ph.D., professor and head of molecular microbiology, to be Rubbo Orator for 1994. The Rubbo Oration is the major lecture given during the society's annual meeting, which will be held next year in Melbourne, Australia, on Sept. 25-30. Approximately 800

microbiologists will attend the meeting. As Rubbo Orator, Normark also will deliver lectures to the society's state branches in Melbourne, Adelaide, Brisbane, Perth and Hobart, Australia.

On assignment

Dana L. Beth, art and architecture librarian, was appointed 1993 chair of the newly established collection development committee of the Art Libraries Society of North America. Members of the committee will study issues affecting the development of art library and research collections and disseminate their findings. The committee also will communicate art library needs and priorities to publishers and support cooperative collection development initiatives. ...

Linda B. Cottler, Ph.D., assistant professor of epidemiology in psychiatry, was appointed to the National Institutes of Health's National Advisory Council on Drug Abuse. Donna Shalala, secretary of health and human services, appointed Cottler to the council, a 12-member group that advises and makes recommendations to the secretary on the National Institute of Drug Abuse's policies and programs. Cottler's term runs through Nov. 30, 1996.

To press

Karen L. Brock, Ph.D., assistant professor of art history, wrote an essay titled "Japanese Pictorial Art to 1600" that is scheduled to be published in *The Cambridge Encyclopedia of Japan*. Her article titled

"The Making and Remaking of 'Miraculous Origins of Mt. Shigi'" was published in the *Archives of Asian Art* journal. ...

Jesse Hobbs, Ph.D., visiting assistant professor of philosophy, wrote a paper on "Ex Post-facto Explanations" that was published in the March 1993 issue of *The Journal of Philosophy*.

Guidelines for submitting copy:

Send your full name, complete title, department, phone number, and highest-earned degree, along with a typed description of your noteworthy activity to *For The Record*, c/o Carolyn Sanford, Campus Box 1070. Items must not exceed 75 words. For information, call Carolyn Sanford at 935-5293.



Left to right: David W. Kemper, chairman, Commerce Bancshares Inc. and Washington University trustee; Robert H. McDowell, professor of mathematics and director of the Teaching Center; Michael W. Friedlander, professor of physics and one of the 1993 Kemper recipients; and John R. Bowen, associate professor of anthropology and a 1993 Kemper recipient.

Retired Development Services director dies

Eleanor A. Bergfeld, retired director of Development Services, who had more than a 40-year relationship with Washington University, died March 31 at Delmar Gardens Nursing Center in Florissant, Mo. She was 75.

Bergfeld began her association with Washington University as a student, receiving a bachelor's degree in 1948. A year later, she was hired as secretary to then Vice Chancellor Charles Belknap. After that, she held a number of positions at Washington before her appointment as director of Development Services in 1965. She retired as director in 1982 and as a retiree, occasionally worked for the University. She also was an active volunteer, most recently serving as librarian for the Memorial Presbyterian Church, 201 S. Skinker Blvd.

A memorial service will be held at 3 p.m. Saturday, April 17, at Memorial Presbyterian Church. There are no immediate survivors. Bergfeld donated her body to the School of Medicine.

Memorial contributions may be made to the Memorial Presbyterian Church, or to Washington University for scholarships.

Kemper grants enhance students' educational opportunities — from page 1

The grant recipients are selected after a University Panel on Teaching Awards solicits proposals from faculty or departments, and presents awards to the most promising. The panel comprises outstanding scholar-teachers and administrators. Proposals are now being accepted for the 1993-94 grants.

The four new courses are: "Galileo, Newton and Oppenheimer"; "State, Nation and Economy"; "Individual, Family and Community"; and "European 18th-century Literature and Thought: The Dawn of Modernity."

"Individual, Family and Community" was taught in fall 1992. The other three courses are being taught this spring. Both "Individual, Family and Community" and "State, Nation and Economy" were coordinated by Bowen as chair of

the Committee on Social Thought and Analysis.

"Galileo, Newton and Oppenheimer" examines these three major scientific figures in connection with their work, contributions and the context of their times. Specifically the course highlights Galileo and the Copernican revolution — the invention of the telescope and the ideas on inertia; Newton and the laws of motion and gravitation; and Oppenheimer and atomic as well as nuclear physics.

Friedlander teaches the course. His research focuses on cosmic rays, infrared astronomy and archaeoastronomy. In addition to his many papers and articles, he has written three books: *The Conduct of Science*; *Astronomy: From Stonehenge to Quasars*; and *Cosmic Rays*.

The class is "excellent," says Elisabeth W. Farrelly, a junior majoring in English and international studies. "I really enjoy it. We learn the facts of science — but Professor Friedlander puts the science in the context of the rest of the world: science and history, science and literature, and science and politics. It's a very interesting and stimulating course."

"State, Nation and Economy" concentrates on states, markets and nationalisms by exploring European history and cross-cultural studies. Nye and Zapalac teach the course. Nye's major interests focus on economic history, industrial organization, and applied microeconomics, while Zapalac studies cultural history and the history of ideas in the 16th century.

"Individual, Family and Community" is a seminar that examines students'

ideas about family structure, gender roles and the nature of community, with particular emphasis on cross-cultural perspectives.

Bowen and Knight teach the course. Bowen, a cultural anthropologist, is the author of several books and numerous articles. A former Presidential Scholar, he spent 50 months conducting fieldwork in Indonesia. Knight's research areas include social and political theory, legal philosophy and jurisprudence, and political economy. His recent book is titled *Institutions and Social Conflict*.

Baldwin and Pope developed "European 18th-century Literature and Thought: The Dawn of Modernity." The course, an introduction to an important period in Western civilization, emphasizes the intersections between literature and science, literature and philosophy, and literature and the arts. The course also reflects the ideas, institutions and innovations of the period. Pope teaches the course and Baldwin has served as a guest lecturer.

Baldwin is an authority on the 18th-century German novel. Pope, chair of the Committee on Comparative Literature, has written numerous papers on Spanish and Latin American literature and has given lectures throughout the United States and abroad.

Daniel J. Solove, a junior who is taking the course, says it gives him a chance to read a lot of the classical literature that he ordinarily wouldn't have an opportunity to read. "I also find the combination of history and literature really helpful in understanding the works. You can feel the spirit and excitement of the period."

Edison Theatre receives \$50,789 NEA grant

Edison Theatre has received a \$50,789 Advancement grant from the National Endowment for the Arts (NEA). The NEA awards the grants to help arts groups strengthen their organizations in such areas as fundraising, marketing and financial management. A total of 43 arts organizations received the grants.

Edison Theatre will use the grant to fund projects outlined in its long-range plan. For the 1993-94 season, a portion of the money will help support two commissioned projects: a children's work about the St. Louis Arch, which will be performed by the Illustrated Theatre Company, and a work for local athletes created by dancer David Dorfman.

Gould elected to Earthquake Institute board

Phillip L. Gould, Ph.D., Harold D. Jolley Professor and chair of the Department of Civil Engineering, has been elected to the Earthquake Engineering Research Institute's (EERI) board of directors. He was elected to a three-year term.

Based in Oakland, Calif., EERI was organized in 1949 as a non-profit corpora-

tion designed to reduce the impact of earthquakes. Institute members, who reside in 47 states and 51 foreign countries, conduct seismic studies, inspect earthquake damage and support educational efforts and technology transfer. They also sponsor conferences and publish newsletters, reports, technical papers and conference proceedings.

Opportunities & personnel news

Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 126 North Brookings Hall, or by calling 935-5990.

Library Assistant

930157. *School of Business*. Requirements: Two years of college, bachelor's degree preferred; attention to detail; ability to interact well with library users; ability to explain and interpret library policies; ability to work independently with minimal supervision; typing 35 wpm with accuracy. Clerical tests and three letters of recommendation required.

Systems Manager

930161. *Biology*. Requirements: Bachelor's degree, preferably in computer science. Will be administrator of department computing facility. Extensive knowledge in VAX/VMS and UNIX systems management and programming required; strong experience with Ethernet, Decnet and Apple Talk networking; expertise in relational data base systems; experience supporting Macintosh and PC systems; good interpersonal and organizational skills; ability to prioritize and function effectively with minimal supervision; familiarity with academic work environment highly desirable. Resume and three letters of recommendation required.

Coordinator

930162. *Alumni and Development Programs*. Requirements: Bachelor's degree; excellent oral communications and interpersonal skills; self-motivated with attention to detail; ability to pleasantly overcome objections and be effectively persuasive with prospects; ability to work effectively with volunteers, donors and prospects, and University staff; ability to deal with multiple priorities with minimal supervision; knowledge of University systems and personnel would be helpful; minimum of five years experience in university or high-level service industry or business setting; familiarity with word-processing techniques; ability to analyze, condense confidential information on major prospects and provide concise documentation; typing 50 wpm preferred. Clerical tests and three letters of recommendation required.

Editorial Assistant

930164. *Anthropology*. Requirements: Bachelor's degree, preferably in anthropology or with courses in anthropology; editorial and office-management experience essential. The editorial assistant also should be computer literate enough to use Windows software, like word processing and spread sheets, fluently. The editorial assistant should be familiar with facsimile machines and photocopiers; typing with accuracy required. Clerical tests and three letters of recommendation required.

Department Secretary

930172. *Alumni and Development*. Requirements: Associate's degree or equivalent knowledge; specialized secretarial and business training; must be detail-oriented; three years general office experience; good command of English; must be alert and well-spoken; able to deal with multiple priorities; must be mature, well-groomed, and have a pleasant personality; able to work well with and relate easily to

people; sensitive to the needs and mission of Washington University and higher education; understand the importance of alumni and friends to the health of higher education; knowledge of medical school helpful; willingness to learn; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

Research Technician

930173. *Biology*. Requirements: Bachelor's degree in biological sciences. The successful candidate will be responsible for conducting research at the bench. In addition, he or she will be entrusted with note keeping and maintenance of lab records and strain collections. Candidate should be conscientious, meticulous and careful. Resume and three letters of recommendation required.

Receptionist

930174. *Health Service*. Requirements: High school graduate; cooperative attitude essential; must be dependable, conscientious; cheerful, pleasant and eager to assist students on first encounter with Health Service; some knowledge of medical terms helpful; typing 30 wpm with accuracy. Clerical tests and three letters of recommendation required.

Lab Aide Clerk - Part-time

930176. *Biology*. Requirements: High school graduate; general familiarity with computer terminals useful, but will train; capable of lifting 50 lbs. (animal food, mail bags); valid driver's license and clean driving record; good clerical and communication skills; some facility with numbers; must be absolutely, positively reliable; flexible enough to work varied duties; trustworthy so as to work occasionally without direct supervision. Clerical tests and three letters of recommendation required.

Student Records Clerk

930179. *University Registrar's Office*. Requirements: Some college, bachelor's degree preferred; prior experience with computers and/or automated systems; ability to work well in public service position. Clerical tests and three letters of recommendation required.

Department Secretary

930180. *Special Development Programs*. Requirements: Some college or other research-related experience; strong capacity to use on-line data bases and library-related sources of information; typing 50 wpm with accuracy; proofreading skills; capacity to conduct and keep track of several jobs at once; flair for detail; good oral and written English skills; professional telephone skills. Clerical tests and three letters of recommendation required.

Materials Distribution Assistant

930182. *Facilities Planning and Management*. Requirements: High school graduate; some college or technical school preferred; retail or wholesale inventory experience desirable; must have chauffeur's license; mechanical aptitude and knowledge of electrical, plumbing, HVAC and hardware desirable; computer and/or PC experience desirable; dependable, honest and reliable; good health; must be able to lift objects up to 50 lbs.; good communication skills; able to use two-way

radio and telephone. Application and three letters of recommendation required.

Administrative Secretary - Part-time

930183. *Center for the Study of Islamic Societies and Civilizations*. Requirements: Minimum of three years office experience; knowledge of foreign countries; FIS accounting system; knowledge of Washington University procedures; typing 60 wpm with accuracy. Clerical tests and three letters of recommendation required.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department of the medical school at 362-4920 to request an application. External candidates may call 362-7195 for information regarding application procedures or may submit a resume to the Human Resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110. Please note that the medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than Human Resources.

Clerk I

930420-R. *Surgery*. Schedule: Part-time, 18 hours a week — flexible. Requirements: High school graduate/equivalent, one year college preferred; must be able to work independently and interact with medical staff; typing 20 wpm; will perform a variety of basic clerical and office-related duties.

Departmental Accounting Assistant

930459-R. *Neurology*. Requirements: One year college; prefer individual with knowledge of Washington University systems (payroll, FIS, grant management); good math aptitude; must be accurate and pay attention to detail; typing 30 wpm; PC experience; will be responsible for ordering all goods and services, paying all invoices and maintaining all accounts and grants.

Medical Transcriptionist

930552-R. *Psychiatry*. Requirements: High school graduate/equivalent; some business or technical school preferred; experience with WordPerfect; typing 70 wpm; knowledge of medical terminology.

Medical Secretary I

930573-R. *Otolaryngology*. Schedule: Part-time, 22.5 hours a week — usually Tuesdays, Wednesdays and Thursdays, with up to five days as a float. Requirements: High school graduate/equivalent; prior experience in a medical setting dealing with the public; good communication and telephone skills; experience with WordPerfect; typing 60 wpm; knowledge of medical terminology and medical transcription.

Clerk I

930587-R. *Pediatrics*. Requirements: High school graduate/equivalent; will be responsible for a variety of basic patient and visitor flow-related duties in outpatient clinic; should have strong communication and public relations skills; some knowledge of medical records and medical insurance preferred.

Animal Caretaker

930628-R. *Comparative Medicine*. Schedule: Full-time, including some weekends, holidays and overtime. Requirements: High school graduate/equivalent; must be able to work with and handle animals; manual skills and dexterity very important; must be able to drive a truck or van and lift up to 50 lbs.

Professional Rater II

930656-R. *Psychiatry*. Schedule: Full-time, some weekends and late hours possible. Requirements: Bachelor's degree preferred with a minimum of two years experience in a related endeavor such as interviewing, mental health treatment. Will conduct and coordinate all aspects of a clinical research program on the treatment of mood disorders.

Professional Rater I

930681-R. *Psychiatry*. Schedule: Full-time with possibility of some evening and weekend hours. Requirements: Bachelor's degree in psychology or mental health field preferred, master's degree in psychology, social or a related mental health field strongly preferred. RNs or BSNs also will be considered.

Postdoctoral Fellow Trainee

930701-R. *Center for Behavior Research*. Requirements: Must have Ph.D. or M.D. and have U.S. citizenship; will include research in diabetes, exercise physiology and metabolism, smoking, gender differences, aging and psychological and biological development.

Lab Tech Research

930703-R. *Cardiology*. Requirements: High school graduate/equivalent with experience in animal handling, associate's degree preferred; must be experienced in large animal surgery and sterile technique; will maintain complete lab records and perform data calculations.

Lab Tech Research

930716-R. *Genetics*. Requirements: Two years college with some courses in the scientific field; should have excellent manual dexterity skills and be eager to learn; will be doing primarily repetitive tasks.

Medical Research Technician

930718-R. *Pediatrics*. Requirements: Bachelor's degree in biological/chemical sciences; prefer individual with lab tech experience; ability to perform basic chemistry and cell and molecular biology research.

Systems Manager

930721-R. *Internal Medicine*. Requirements: Master's degree or equivalent in electrical engineering and/or computer science; must have one to two years experience with variety of hardware (including ethernet and token ring systems, IBM PC, Macintosh, SUN and NEXT systems) and one to two years programming experience in C. Must be familiar with UNIX; responsible for management of departmental information management systems and data bases; knowledge of clinical research and biostatistics related to clinical research activities is desirable; good interpersonal and communication skills a must.